PIVOT SHAFT STRUCTURE FOR SCISSOR MECHANISMS

ABSTRACT

A pivot shaft structure for scissor mechanisms consists of a pivot shaft and a matching receiving hole. The pivot shaft includes at least a turning contour formed by a portion of the shaft contour of a pseudo turning shaft and a constraint contour formed by removing another portion of the pseudo turning shaft. The receiving hole has an hole contour for matching the pivot shaft and includes at least a matching turning contour formed by a portion of an hole contour of a pseudo turning shaft opening and a matching constraint contour formed by filling another portion of the pseudo turning shaft opening. Through the matching between the pseudo turning shaft and the pseudo turning shaft opening, the turning contour of the pivot shaft may pivotally turn in the matching turning contour of the receiving hole, and through contact between the constraint contour of the pivot shaft and the matching constraint contour of the receiving hole to form a turning limitation for the pivot shaft in the receiving hole.